

S/200/62/000/012/001/005  
D258/D307

AUTHORS: Korshakovich, I.I. and Turko, M.N.

TITLE: Dynamics and structure of the luminescent cloud of an arc discharge

PERIODICAL: Akademiya nauk SSSR, Sibirskoye otdeleniye. Izvestiya, no. 12, 1962, 3-8

TEXT: The authors investigated the development and subsequent behavior of luminescent cloud during discharge and the behavior of anode and cathode spots, in an effort to determine the effects of the polarity and electrode material on (a) the mobility of luminescent clouds and electrode spots, and (b) fluctuations of the interelectrode potential. Each sparking, lasting about 5 m sec, was filmed with the CKC -1 (SKS-1) cine-camera, at 4500-5500 frames/sec. It was found that the clouds reached full size in 0.5 m sec and declined during the second half of the sparking. Constricted regions near the electrodes showed areas of increased brightness. The most characteristic effect was random motion of cathode and anode spots.

Card 1/2

Dynamics and structure ...

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Two types of discharge were noted, in dependence on the electrode material: (a) for metals of b.p.  $> 2000^{\circ}\text{C}$  and heat of evaporation ( $H$ )  $> 60 \text{ kcal/g-atom}$ , the cloud was oval, had a low mobility and the anode spot was stationary. The cathode spot rotates around apex of the cone at up to 5 m/sec. (b) For metallic electrodes with a b.p. below  $2000^{\circ}\text{C}$  and  $H < 60 \text{ kcal/g-atom}$  the cloud was in the form of a stream widening towards the anode, and both cloud and electrode spots moved chaotically. Fall of interelectrode potential undergoes random oscillations during sparking, particularly when the cathode spots move rapidly (e.g. with Bi, Pb, Sb, Pt electrodes). No voltage oscillations took place with W, Al, and Co electrodes. Characteristics of the luminescent clouds depend on the electrode shape, being closer to type (a) for conical, and to type (b) for flat electrodes. Behavior and structure of the luminescent cloud between 2 different metallic electrodes is governed by the material of the cathode. There are 4 figures and 1 table.

ASSOCIATION: Krasnoyarskiy institut fiziki Sibirskogo otdeleniya  
AN SSSR (Krasnoyarsk Institute of Physics of the  
Siberian Branch of the AS USSR)

SUBMITTED: January 3, 1962

Card. 2/2

24.6710

39295  
S/048/62/026/007/025/030  
B125/B104

AUTHORS: Korshakevich, I. I., and Turko, M. N.

TITLE: Dynamics and structure of the luminescent cloud of an arc discharge

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 7, 1962, 942-945

TEXT: In order to study the effect of electrode material on the formation of the luminescent cloud and the fluctuations of the electric discharge parameters, the 50 initial flashes of an arc burning between different metal electrodes were recorded by a slow-motion camera (4,500 to 5,000 pictures per second). The oscillograms of voltage and amperage were taken at the same time. One group of the luminescent clouds comprises arcs with boiling temperatures above 2000° and evaporation heats of more than 60 kcal/g-atom. These little mobile oval clouds extend towards the electrodes and have an immobile anode spot. The bright core surrounded by an aureola is due to the low thermal conductivity of the plasma. The other group of the luminescent clouds comprises arcs between anodes with

Card 1/2

Dynamics and structure of the ...

S/048/62/026/007/025/030  
B125/B104

boiling temperatures below 2000° and evaporation heats below 60 k kcal/g-atom. These clouds are wedge-shaped and extend from the cathode to the anode. During the flash the voltage drop between the electrodes is superposed by oscillations of different frequencies and large amplitudes (for strongly mobile cathode spot, Bi, Pb, Sb, Pt) or small amplitudes (for immobile cathode spot, W, Al). These fluctuations are probably due to changes in the anode drop of the potential. The shape of the electrodes determines the space structure of the electric field between them, the nature of the evaporation processes, the charged particle and excited atom distribution in the luminescent cloud, and hence the shape of the cloud. There are 3 figures and 1 table.

Card 2/2

1. Zaveduyushchiy sektorom orgmassovoy raboty i kadrov Vsesoyuznogo soveta Dobrovol'nogo sportivnogo obshchestva profsoyuzov (for Khromov).

APPROVED FOR RELEASE: 06/14/2000 (Trade unions)  
CIA-RDP86-00513R000824930010

|            |  |
|------------|--|
| COUNTRY    | : USSR                                       |
| CATEGORY   | : Farm Animals. Horses.                      |
| ABS. JOUR. | : RZBiol., No. 4, 1950, No. 16446            |
| AUTHOR     | : Korshakov, P. N.                           |
| IMSP.      | : -  |
| TITLE      | : Some Characteristics of the Milk of Mares. |

C-2

USSR/Farm Animals - General Problems

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69236

Author : Korshakov, P.N.

Inst : Voronezh Agricultural Institute

Title : Peculiarities of Fodder of the Forest-Steppe and Steppe Zone of Voronezhskaya Oblast

Orig Pub : Zap. Voronezhsk. s.-kh. in-ta, 1956, 26, No 2, 218-224

Abstract : Through experiments carried out by Maslovskiy Sovkhoz and other farms of the Voronezhskaya Oblast, it was established that fodder of the southern steppe zone of the oblast contains 1-2 times more cobalt than similar fodder of the forest-steppe zone. Higher content of cobalt in nutrition brings about rapid and better fattening of animals, augments the percentage of butterfat in milk and increases the resistance of animals to tuberculosis.

Card 1/2

- 8 -

Abs. Jour : Ref Zhur-Biol., No 1., 1958, 70/1

Author : Korshakov, P. N.

Approved For Release: 06/14/2000 CIA-RDP86-00513R000824930010-4

Institut : Institute of Veterinary Surgery  
Title : The Role of Cobalt Supply in the Formation of the Skeleton in Swine.

Orig Pub. : Zhivotovedstvo, 1957, No 8, 70-75

Abstract : As nursing piglets were additionally each fed 7.73 mg daily of Co during the first month, 9.08 mg during the second, and 10.31 mg during the third month, the tubular bones of the experimental animals were by 2-3 cm shorter and by 15-20 percent lighter than in controls. In experimental nursing piglets, the bone's compact substance is more dense and firm, the periosteum is thicker and there is more Ca in the dry bone substance than in controls. --  
A. D. Kusin

Card: 1/1

KORSHAKOV P.N.

KORSHAKOV, P.N., Doc Agric Sci -- (diss) "Influence of Cobalt on the Effectiveness of the Use of Ovulators and on the Quality of Breeding of Animals." Voronezh, 1958  
29pp (Min of Agric USSR, Len agric Inst), 150 copies. (KL, 41-58, 121)

*animal breeding practice.*

List of author's works at end of text (4 titles)

KORSHAKOVA, A. S.

"Prophylactic Vaccination Against Dysentery." Sub 22 Jun 51,  
Acad Med Sci USSR.

Dissertations presented for science and engineering degrees in  
Moscow during 1951.

SO : Sum. No. 480, 9 May 55

KORSHAKOVA, A.S.; SEKRETA, P.M.; MIKULINSKAYA, Ye.Ya.; LEVINA, Ye.N.; TIMAKOV, V.D.,  
professor, direktor.

Practices for the prevention of dysentery. Zhar.mikrobiol.epid.i imen. no.  
7:7-11 Jl '53. (MLR 6:9)

I. Institut epidemiologii i mikrobiologii imeni pochetnogo akademika N.F.  
Gumalei Akademii meditsinskikh nauk SSSR. (Dysentery)

KORSHAKOVA, A.S.; CHERNETSKAYA, S.G.

Duration of excretion of dysentery bacteriophage in children in preventive administration of the phage. Zhur.mikrobiol.epid.i immun. no.2:70 F '54.

(MLRA 7:3)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei Akademii meditsinskikh nauk SSSR. (Dysentery) (Bacteriophage)

KORSHAKOVA, A.S.

KORSHAKOVA, A.S.; GIRSHIK, Ye.O.

Efficacy of subcutaneous immunisation with NIISI penta- and poly-  
vaccines in epidemics. Zhur.mikrobiol.epid.i immun. no.4:80 Ap '54.  
(MLRA 7:5)

1. Iz Instituta epidemiologii i mikrobiologii im. N.F.Gamalei Akademii  
meditsinskikh nauk SSSR. (Dysentery) (Vaccination)

KORSHAKOVA, A. S.

USSR/Medicine - Dysentery

Card 1/1

Pub. 148 - 11/23

FD-548

Author

: Korshakova, A. S.

Title

: The effectiveness of peroral vaccines against dysentery

Periodical : Zhur. mikrobiol. epid. i immun. 6, 31, June 54

Abstract : Extensive tests of tablet-form peroral vaccines against dysentery have

established the fact that the formalinized vaccine is ineffective for practical prophylactic purposes. Trial immunization of 29,689 children from 1 to 9 years old with peroral vaccines revealed that heat precipitated vaccine was more effective than formalinized vaccine. No references are cited.

Institution : Institute of Epidemiology and Microbiology imeni Gamaleya, Academy of Medical Sciences, Ussr (Director - Prof. G. V. Vyzolchikov)

Submitted : January 12, 1954

KORSHAKOVA, A.S.

Subcutaneous immunization against dysentery. Zhur.mikrobiol.epid.i  
immun. no.7:102 J1 '54. (MLRA 7:9)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei Akademii  
meditsinskikh nauk SSSR.  
(DYSENTERY) (VACCINATION)

Abstract U-7920, 8 Mar 56

KORSHAKOVA, A. S.

"The Efficacy of Peroral Vaccine Against Dysentery." Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954-56.

List of Works Sponsored by the institute [Authors are not identified with any specific division, laboratory, or other organizational component of the institute.] Inst. Epidem and Microbiol im. Gamaleya AMS USSR

SO: Sum 1186, 11 Jan 57.

KORSHAKOVA, A.S.; SKAVINSKIY, Yu.V.; KUZNETSOVA, A.A.; POTEYENKO, O.M.;  
ARKHIPOVA, V.A.; GAL'PERIN, I.P.; TENDENTNIK, Yu.Ya.; KIYASHKO,  
M.A.

Studying the immunogenic factor in per os immunization against  
dysentery. Zhur. mikrobiol. epid. i immun 28 no.2:131-132  
F '57  
(MLRA 10:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei  
AMN SSSR.  
(DYSENTERY--PREVENTIVE INOCULATION)

BOLDYREV, T.Ye.; ALEKSANYAN, A.B; SHATROV, I.I.; KORSHAKOVA, A.S.; LEYTMAN,  
M.Z.; FROLOV, V.I.; KOVALEVNA, N.I.

Studies on the effectiveness of an alcoholic dysentery vaccine based  
upon extensive epidemiological observations. Zhur.mikrobiol.epid. i  
immun. 30 no.7:3-7 Jl '59.  
(MIRA 12:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(DYSENTERY, BACILLARY - immunology)  
(VACCINES)

KORSHAKOVA, A.S.; BOLDYREV, T.Ye.; ALEKSANYAN, A.B.; SHATROV, I.I.; LEYTMAN, L.V.; FROLOV, V.I.; SEMINA, N.A.; DEVOYNO, L.V.; SIZINTSEVA, V.P.; BATURINA, L.M.; ABAKAROV, U.A.; GRINAVTSEVA, V.P.; MEDZHIDOV, V.; KORSHUNOVA, N.A.

Studies on the reactogenic properties of Gamaleia LRM polyvaccine.  
Zhur.mikrobiol.,epid.i immun. 30 no.11:37-41 N '59. (MIRA 13:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.  
(DYSENTERY BACILLARY immunol.)  
(TYPHOID immunol.)  
(PARATYPHOID FEVERS immunol.)  
(TETANUS immunol.)  
(VACCINATION)

MAKAYEV, S.V., inzh.; SKRYABIN, N.P., inzh.; RABINOVICH, D.M., inzh.;  
SHADRIN, V.A., kand.tekhn.nauk; KORSHCHIKOV, V.D., inzh.;

Mastering the rolling of lightweight low-alloy steel shapes.  
Stal' 21 no.3:240-245 Mr '61. (MIRA 14:8)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Ural'skiy  
institut chernykh metallov.  
(Rolling (Metalwork))

SKRYABIN, N.P.; VINOKUROV, I.Ya.; KORSHCHIKOV, V.D.; KOCHETOV, I.M.

Rolling channels with a high output of the finishing groove.  
Metallurg 7 no.1:30-31 Ja '62.

(MIRA 15:1)

1. Ural'skiy institut chernykh metallov i Nizhne-Tagil'skiy  
metallurgicheskiy kombinat.

(Rolling (Metalwork))

SKRYABIN, N.P.; MEREKIN, B.V.; KORSHCHIKOV, V.D.

Determination of metal economy. Metallurg 7 no. 27-29  
Ag '62. (MIRA 15:9)

1. Ural'skiy institut chernykh metallov i Nizhne-Tagil'skiy  
metallurgicheskiy kombinat.  
(Rolling (Metalwork))

KHOREV, V.N.; BARANOVA, N.A.; GORLACH, I.A.; KVASOV, Ye.I.; KRAMARENKO, I.S.;  
MIRONOV, L.V.; PRIVALOV, S.S.; LYASKO, M.V.; DUBROV, N.F.;  
MIRONOV, L.V.; KOKSHAROVA, I.K.; MIKHALEV, M.S.; LAZAREV, E.M.;  
KUZNETSOVA, I.R.; LAPKIN, N.I.; KRASIL'NIKOV, N.A.; GOL'DSHTEYN, M.I.;  
GUTERMAN, S.G.; ODINOKOV, Yu.I.; SKRYABIN, N.P.; KORSHCHIKOV, V.D.

Research by the Ural Ferrous Metal Research Institute. Stal'  
22 no.7:621,623,638-639,670 Jl '62. (MIRA 15:7)  
(Metallurgical research)

MAKAYEV, S.V., kand.tekhn.nauk; SKRYABIN, N.P., inzh.; KORSHCHIKOV, V.D.,  
inzh.

Rolling beams on universal rolling mill stands. Stal' 22 no.12:  
1088-1092 D '62. (MIRA 15:12)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Ural'skiy  
institut chernykh metallov.  
(Rolling (Metalwork)) (Beams and girders)

L 57521-65 ENT(d)/EWT(m)/ENA(d)/ENP(v)/ENP(t)/ENP(k)/ENP(h)/ENP(b)/ENP(l)/ENA(c)  
Pf-4 IJP(c) JD/HW  
ACCESSION NR: ARS013008

UR/0137/65/000/004/D011/D011  
621.771.001

33  
B

SOURCE: Ref. zh. Metallurgiya, Abs. 4D71

AUTHOR: Skryabin, N. P.; Korshchikov, V. D.; Tokmakov, P. Ya.; Gritsenko, Yu. P.

TITLE: Deformation and forces in hot rolling of titanium alloys

CITED SOURCE: Tr. Ural'skogo n.-i. in-ta chern. met., v. 3, 1964, 132-142

TOPIC TAGS: titanium alloy, metal deformation, metal rolling, hot rolling

TRANSLATION: Deformation of titanium alloys during rolling in smooth and calibrated rolls was experimentally studied to design rolls for producing high-quality standard cross-sectional stock. Experimental data were obtained on resistance to deformation and mean specific pressure for various titanium alloys. These data may be used for calculating the force parameters for rolling these alloys. N. Yudina.

SUB CODE: MM, IE

ENCL: 00

JK  
Card 1/1

L 6517-66 EWT(m)/EWP(i)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b)/EWA(c) IJP(e)  
ACC NR: AP5024863 MJW/JD/HW SOURCE CODE: UR/0136/65/000/010/0079/0083

AUTHOR: Korshchikov, V. D.; Zasukha, P. F.; Kozlov, G. D.; Nikiforov, V. K.

ORG: none

TITLE: Conditions of rolling aluminum-clad steel plates

SOURCE: Tsvetnyye metally, no. 10, 1965, 79-83

TOPIC TAGS: steel, stainless steel, steel plate, bimetallic plate, clad plate, aluminum alloy clad plate, stainless steel plate, plate rolling, warm rolling/1Kh18N9T steel, 1Kh21N5T steel, 3s steel, SkhL4 steel, 45G17Yu3 steel, AMg3 alloy, AMg5V alloy, AMg6 alloy

ABSTRACT: The technology of rolling bimetallic plates such as 1Kh18N9T, 1Kh21N5T stainless steel, or St.3s, SKhL-4, and 45G17Yu3 ship-building steel plates 6–15 mm thick, 200–300 mm wide, and 1000–2500 mm long clad with AMg3, AMg5V, and AM6 aluminum alloys has been developed by the Ural Institute of Ferrous Metallurgy in cooperation with the Mikhailovskiy plant. Thoroughly cleaned aluminum-alloy plates are preheated to 350–400C and placed on steel plates preheated to 150–200C. The pack is then rolled in one pass with an aluminum-plate reduction up to 75% and without deformation of the steel plate. The temperature of the plate after rolling is 230–280C. This method was used for large amounts of bimetallic plates in various

Card 1/2 UDC: 621.9-419:621.771.2 0901 1705

L 6517-66

ACC NR: AP5024863

combinations and thicknesses. The bond strength in shear amounts to 10 kg/mm<sup>2</sup> and  
in tension to 17 kg/mm<sup>2</sup>. Orig. art. has: 3 figures and 2 tables. [AZ]

SUB CODE: MM/ SUBM. DATE: none/ ORIG REF: 003/ ATD PRESS: 4139

DW

Card 2/2

SOLYANKO, G.I.; KORSHENBOY, P.G.; BONDARENKO, M., red.; BAKHTIYAROV, A.,  
tekhn.red.

[Stalin Collective Rice Farm; Khorezm Province, Gurlen District]  
Risovodcheskii kolkhoz imeni Stalina; Khorezmskna oblast'  
Gorlenskii raion. Tashkent, Gos.izd-vo UzSSR, 1960. 23 p.  
(MIRA 14:2)

(Gurlen District--Rice)

KORSHENKO,V.

Roadside improvement of highways in Ukraine. Avt.dor.18 no.5:  
3 of cover S'55. (MLRA 9:1)  
(Ukraine--Roadside improvement)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824930010-4

KORSHENKO, V.

Roadside improvement in the Ukraine. Avt.dor.19 no.2:32 F 156.  
(Ukraine--Roadside improvement) (MLRA 9:6)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824930010-4"

KORSHENKO, V.

Using fruit trees in improving roadsides. Avt. dor. 23 no.8:22  
(MIRA 13:8)  
Ag '60.  
(Ukraine--Roadside improvement) (Fruit culture)

KCRSHFNKO, V.

Concentrate efforts. Avt.dor. 27 no.1:32 Ja '64. (MIRA 17:4)

KORSHEV, B.S.; KHOKHLOV, N.F., kandidat meditsinskikh nauk

Three cases of cardiorhaphy in wounds of the heart. Zdrav. Kazakh.  
16 no.8:40-41 '56.

(MLRA 10:1)

1. Iz khirurgicheskogo otdeleniya (zav. otdeleniyem - kandidat  
meditsinskikh nauk N.F.Khokhlov) oblastnoy bol'nitsy g.Chimkenta  
(glavnnyy vrach - V.M.Aliyev)  
(HEART--SURGERY)

KORSHEV, B.S.; KUSHNAREVICH, R.L.

Case of gas infection of the hand. Zdrav. Kazakh. 21 no.2:64-  
65 '61. (MIRA 14:3)

1. Iz Yuzhno-Kazakhstanskoy oblastnoy bol'nitsy.  
(HAND--DISEASES) (GANGRENE)

BOROKHOV, D.Z.; KORSHEV, B.S.

Industrial trauma in workers of the Baydzhansay Mine  
Administration. "Zdrav. kazakh." 21 no.12:13-15 '61. (MIRA 15:3)

1. Iz mediko-sanitarnoy chasti Bayzhansayskogo rudoupravleniya  
i travmatologicheskogo otdeleniya Yuzhno-Kazakhstanskoy  
oblastnoy bol'nitsy.  
(BAYDZHANSA--MINE ACCIDENTS)

KORSHEV, V.S.

Duodenal ulcer in complete inversion of the internal organs.  
Khirurgiia no.7:81 J1 '55. (MLRA 8:12)

1. Iz khirurgicheskogo otdeleniya Lengerskoy gorodekoy  
bol'nitsy Yuzhno-Kazakhstanskoy oblasti.  
(DUODENUM--ULCERS) (VISCERA--ABNORMITIES AND DEFORMITIES)

GORELIKOV, N.I. (Novosibirsk); KASPEROVICH, A.N. (Novosibirsk); KOFSHEVER,  
I.I. (Novosibirsk); TSAPENKO, M.P. (Novosibirsk)

Construction of digital balance measuring instruments with  
variable structure. Avtometriia no.4:75-80 '65.

ACC NR: AP6026457

SOURCE CODE: UR/0410/66/000/002/0090/0098

AUTHOR: Korshever, I. I. (Novosibirsk-Leningrad); Smolov, V. B. (Novosibirsk-Leningrad); Tverdokhleb, P. Ye. (Novosibirsk-Leningrad); Fomichev, V. S. (Novosibirsk-Leningrad)

ORG: none

TITLE: One possibility for construction of digital analog functional converters

SOURCE: Avtometriya, no. 2, 1966, 90-98

TOPIC TAGS: digital analog converter, circuit design, mathematic analysis

ABSTRACT: A method is described for the construction of digital-analog functional converters based on preliminary expansion of the function into a series by Walsh functions. It is shown that the elements of the digital-analog converter are interpreted easily by the category of this expansion. Examples are presented of the realization of some digital-analog functional converters. The limitations within which the application of this method will give a gain in comparison with known methods are determined. The advantages of converters constructed using Walsh function expansion are simplicity of the analog portion of the circuit and the constant output impedance of the analog portion of the circuit, which allows them to be used with any load without disrupting the nature of the dependence reproduced. Orig. art. has: 2 tables, 7 formulas, and 4 figures.

SUB CODE: 09,12/ SUBM DATE: 27Nov65/ ORIG REF: 003

Card 1/1

UDC: 681.142.621

L 1810-66

ACCESSION NR: AP5024991

UR/0286/65/000/016/0055/0055  
621.317.791 : 621.374

AUTHOR: Gorelikov, N. I.; Korshever, I. I.; Skurlatov, A. I.

TITLE: A digital measuring instrument. Class 21, No. 173842

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 16, 1965, 55

TOPIC TAGS: electronic measurement, measuring instrument

ABSTRACT: This Author Certificate introduces a digital measuring instrument which contains a master oscillator, compensating commutator, clock pulse distributor, storage device, reversible binary-decimal counter, counting direction commutator, comparator, measurement circuit, reference voltage source, decoder, and digital panel with illuminator. The speed of the instrument's response is increased in the case of uncompensated voltage drops greater than  $4N$  units of discreteness (where  $N$  is the number of digital places in the instrument) by changing the follow-up structure of the control system to a digit-by-digit structure. The instrument is equipped with two potential flip-flops with operating thresholds which correspond to the predetermined uncompensated voltage drop at the input of the compara-

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L I810-66

ACCESSION NR: AP5024991

tor in the direction of increase or decrease in the quantity being measured. The inputs of these flip-flops are connected in parallel to the comparator, and their output voltages control the compensating commutator (see Fig. 1 of Enclosure).  
Orig. art. has: 1 figure. [14]

ASSOCIATION: Institut avtomatiki i elektrometrii SO AN SSSR (Institute of Automation and Electrometry, SO AN SSSR) 44

SUBMITTED: 12Oct84

ENCL: 01

SUB CODE: EC,IE

NO REF Sov: 000

OTHER: 000

ATD PRESS: 4111

Card 2/3

L 1810-66

ACCESSION NR: AP5024991

ENCLOSURE: 01

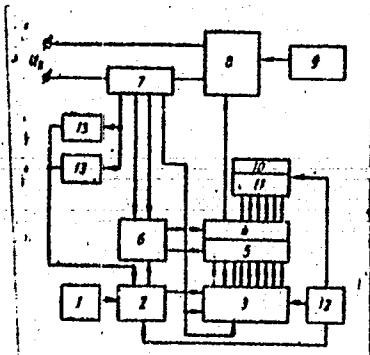


Fig. 1. Digital measuring instrument

- 1 - Master oscillator;  
2 - compensating commutator;  
3 - clock pulse distributor;  
4 - storage device; 5 - reversible  
binary-decimal counter; 6 -  
counting direction commutator;  
7 - comparator; 8 - measuring  
circuit; 9 - reference voltage  
source; 10 - decoder; 11 - digi-  
tal signal panel; 12 - illumina-  
tor; 13 - potential flip-flops.

Card 3/3

GORELIKOV, N.I. (Novosibirsk); YEFIMENKO, V.V. (Novosibirsk);  
KORSHEVER, I.I. (Novosibirsk)

Device for digital balancing with a nonuniform coding cycle.  
Avtometriia no.3:51-57 '65. (MIRA 19:1)

1. Submitted Feb. 8, 1965.

|   |                |        |            |   |
|---|----------------|--------|------------|---|
| L 1780-66   | AM, 10 MAY (1) | IJP(c) | GG/RE/CD-2 | SOURCE CODE: UR/0410/65/000/003/0051/0057 |
| ACC NR: AP6017383   |                |        |            |   |
| AUTHOR: Gorelikov, N. I. (Novosibirsk); Yefimenko, V. V. (Novosibirsk); Korshever, I. I. (Novosibirsk)  |                |        |            |   |
| ORG: none   |                |        |            |   |
| TITLE: Digital devices with positional balancing with an uneven coding cycle  |                |        |            |   |
| SOURCE: Avtometriya, no. 3, 1965, 51-57   |                |        |            |   |
| TOPIC TAGS: shift register, ferrite, computer coding, binary code, digital system   |                |        |            |   |
| ABSTRACT: The article discusses questions related to the design of digital devices with positional balancing (using binary-decimal code) with the goal of increasing operating speed. The increased speed is achieved by the use of an uneven cycle of digital coding. An analysis is made of devices for controlling digital instruments which will allow the simplest realization of this coding principle. Recommendations are given for the selection of a binary-decimal code for this type of devices, and the possibility of designing decades with variable code structure is investigated. The most suitable circuit for a control device is one based on single-cycle ferrite diode shift register or a sequential trigger distributor with one of the following codes used in all decades save the highest-order: 4221, 5211, 5311. The highest-order decade should be built with variable code structure, resulting in some increase in complexity but a considerable reduction in the number of comparisons required per decade. Orig. art. has: 1 table and 2 figures. [JPRS] |                |        |            |   |
| SUB CCDE: 09 / SUBM DATE: 08Feb65 / ORIG REF: 003   |                |        |            |   |
| Card 1/1  |                |        |            |   |
| UDC: 621.317.7.083.5  |                |        |            |   |

GUZENKO, G. F.; KORSHEVER, L. I.; SHCHERBAKOVA, K. F.

Ultrabasic and basic intrusive rocks of the Belozerka magnetic  
anomaly region. Zap. Vses. min. ob-va 91 no. 3:315-324 '62.  
(MIRA 15:10)

1. Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy  
institut, Kiyev.

(Belozerka region(Zaporozh'ye Province)—Rocks, Igneous)  
(Belozerka region(Zaporozh'ye Province)—Ultrabasite)

L 4094-66 EWT(d)/EWP(1) LJP(c) EB/GO

ACC NR: AP5025060

SOURCE CODE: UR/0286/65/000/016/0104/0105

INVENTOR: Gorelikov, N. I.; Korshever, I. I.

ORG: none

TITLE: Binary-decimal reversible counter. Class 42 No. 174008 /announced by Institute  
of Automation and Electrometry SO AN SSSR (Institut avtomatiki i elektrometrii)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 104-105

TOPIC TAGS: reversible counter, pulse counter, flip flop circuit, computer component

ABSTRACT: This Author Certificate introduces a binary-decimal reversible counter for digital measuring instruments. It is designed for 4-2-2-1 codes and contains four static flip-flops connected at the counting inputs. It features a logical potential AND circuit which fixes the coincidence of the 1 states in the two higher order digits of the counter. The output of the AND circuit is connected to the flip-flop representing the 2 states. In the absence of a potential at the output of the logical circuit, this trigger acts as a monostable multivibrator. Orig. art. has: 1 figure.

[JR]

SUB CODE: EC, 50/SUBM DATE: 24Aug64/ ORIG REF: 000/ OTH REF: 000/ ATD PRESS: 4129

BVK  
Card 1/1

UDC: 621.374.32

KORSHEVNYUK, G.A.

Case of persistent penicillin allergy. Vest.ven.i derm. no.2:55 Mr-Apr '53.  
(MLRA 6:5)

1. Kozhno-venerologicheskiy dispanser Liyepaya, Latviyskaya SSR.  
(Penicillin--Physiological effect)

KORSHENYUK, G.A.

Case of intolerance to phenoxymethylpenicillin with fatal  
outcome. Vest.derm.i ven. 34 no.3:79-80 My-Je '60.

(MIRA 13:10)

(PENICILLIN)

KORSHIKOV, A.A., inzh.

SLNP-2 planter for tree seedlings. Trakt. i sel'khozmash. 31  
no. 5:32 My '61. (MIRA 14:5)  
(Planters (Agricultural machinery))

MINKIN, V.I., kand. tekhn. nauk; KORSHIKOV, A.A., inzh.

Studying and selecting optimal parameters for the working part  
of a ditcher turning the soil to one side. Trakt. i sel'khoz-  
mash. no.11:34-35 N '65. (MIRA 18:12)

1. Novocherkasskiy inzhenerno-meliorativnyy institut (for Minkin).  
2. Yuzhnyy nauchno-issledovatel'skiy institut gidrotekhniki i  
melioratsii (for Korshikov).

ACC NR: AP7000130

SOURCE CODE: UR/0115/66/000/011/0020/0022

AUTHOR: Isayev, B. M.; Bregadze, Yu. I.; Korshikov, A. V.

ORG: none

TITLE: The units "ber" and "equivalent rad"

SOURCE: Izmeritel'naya tekhnika, no. 11, 1966, 20-22

TOPIC TAGS: ionizing radiation biologic effect, relative biologic efficiency, radiobiology, x ray radiation biologic effect, radiation shielding, radiation safety, radiation dosimetry

ABSTRACT: The authors answer the objections to GOST 8848-63, establishing standard units for radiological measurements, raised by M. F. Yudin [see AP7000128] and I. B. Keirim-Markus et al. [see AP7000129]. Since GOST 8848-63 permits use of the units rad and roentgen in addition to or instead of the official standard units joule/kg and coulomb/kg, there is no need to revise the GOST standard as suggested by Keirim-Markus. Elevation of ber and rem to the status of standard units is felt to be premature, in the absence of a standard scale or procedure for reproducing these units or calibrating instruments with them. Yudin's suggestions that the ICRU (International Commission on Radiological Units) term "dose equivalent" be replaced by a new term, "equivalent dose," is rejected as making a distinction where no difference exists, and as defeating the ICRU's efforts to reserve the noun "dose"

UDC: 577.391(017)

Card 1/2

ACC NR: AP7000130

to denote "absorbed dose." There is likewise no need to invent a special new unit, the "equivalent rad," to express dose equivalent (Yudin's "equivalent dose"), since the units ber and rem already exist for this purpose. [DP]

SUB CODE: 18, 06/ SUBM DATE: 10Aug66/ ORIG REF: 003/ OTH REF: 001/  
ATD PRESS: 5110

KORSHIKOV, B., agronom

Hard and strong wheats. Nauka i pered. op. v sel'khoz 8 no.12:  
32-33 D '58. (MIRA 12:1)  
(Wheat)

KORSHIKOV, D.

Let us prepare the cutter-loader twice faster for work. Mast.ugl. 3  
no.5:8 My '54. (MLRA 7:6)

1. Mashinist kombayna shakhty No.54 kombinata Rostovugol'.  
(Coal-mining machinery)

KORSHIKOV, G.V., inzh.; VORONOV, Yu.G., inzh.; TSEYTHIN, M.A., inzh.;  
KIYASHKO, Yu.M., inzh.; GOROKHAN, A.S., inzh; SEKACHEV, M.A.,  
inzh; Prinimali uchastiye: ARSHINOV, G.P.; GRIGOR'YEV, Ye.I.;  
KUVARIN, Yu.N.; RUDAKOV, N.V.; BUYEV, V.Ye.; IOGL'NITSYN,  
A.N.

Investigating the oxidizing zone of a blast furnace working  
under oxygen-enriched blowing (35% oxygen) and using natural  
gas. Stal' 25 no.8:781-790 S '65. (MIRA 18:9)

KORSHIKOV, G.V. (Moskva)

Composition and viscosity of blast furnace gas in the case  
of an oxygen-enriched blow and the injection of hydrocarbons.  
Izv. AN SSSR. Met. i gor. delo no.4:6-16 Jl. Ag '64.  
(MIRA 17:9)

KORSHIKOV, I.A.

Surgical treatment of bronchial asthma using Rudkovskii's method;  
preliminary report. Zdrav. Kazakh. 21 no.1:16-18 '61.  
(MIRA 14:3)

1. Iz Kustanayskoy oblastnoy bol'nitsy.  
(ASTHMA)

|   |  |   |
|---|--|---|
| L 27846-66  | EWT(d)/EWT(m)/EWP(v)/EWP(j)/EWP(k)/EWP(h)/EWP(1) | RM  |
| ACC NR:   | AP5026776  | SOURCE CODE: UR/0286/65/000/017/0065/0066 |
| AUTHOR: Vas'kin, Yu. A.; Kulesho, I. M.; Korshikov, I. S.; Khankin, Yu. V.; Yurchenko, Yu. F.   |  |   |
| ORG: none   |  |   |
| TITLE: A device for welding thermoplastics. Class 39, No. 174350  |  |   |
| SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 66   |  |   |
| TOPIC TAGS: <u>welding equipment</u> , plastic industry, thermoplastic material   |  |   |
| ABSTRACT: This Author's Certificate introduces: 1. A device for welding thermoplastics using hf current. The unit contains an insulation casing and flat metal electrodes located on one side of the material to be welded. In order to produce a seam of any configuration, the casing is made in the form of a prismatic roller with the metal electrodes mounted by pairs in its faces. 2. A modification of this device with a recess in the insulation casing between the electrodes for welding thermoplastics without interlayers. 3. A modification of this device with a hexagonal prismatic roller. |  |   |
| UDC: 678.059.4<br>678.073   |  |   |
| Card 1/2  |  |   |
| 0901 1931   |  |   |

ACC NR: AP5026776

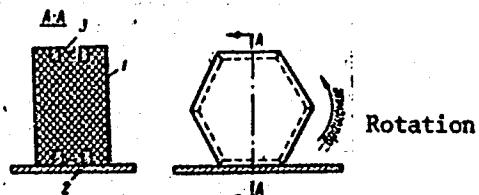


Fig. 1. 1--casing; 2--metal electrodes; 3--recess

SUB CODE: IE,MT/ SUBM DATE: 28Sep63/ ORIG REF: 000/ OTH REF: 000

Card 2/2 *B*

PEZUGLYY, V.B.; KORSHIKOV, I.A.

Electrocapillary phenomena in dimethylformamide. Part 1a

Electrocapillary curves in inorganic salt solutions.

Elektrokhimiia 1 no.12:1422-1428 D '65.

(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov,  
stsinteticheskikh materialov i osobo chistykh khimicheskikh  
veshestv. Submitted May 3, 1965.

KORSHIKOV, N. P.

PHASE I BOOK EXPLOITATION

SOV/3155

Boyarskiy, Lazar' Todorovich, and Nikolay Petrovich Korshikov

Tekhnologiya stankostroyeniya (Machine-Tool Manufacturing Methods) Moscow,  
Mashgiz, 1959. 371 p. 22,000 copies printed.

Reviewers: (Moscow and Alapayev Machine-Tool Tekhnikums) B.S. Liberman,  
Engineer, I.S. Yegorov, Engineer, B.K. Shunayev, Candidate of Technical Sciences,  
and V.V. Loskutov, Candidate of Technical Sciences; Ed.: Yu.S. Sharin,  
Candidate of Technical Sciences; Tech. Eds.: N.A. Dugina and V.D. El'kind;  
Exec. Eds. (Ural-Siberian Division, Mashgiz): L.A. Kon'shina, Engineer, and  
A.V. Kaletina, Engineer.

PURPOSE: The textbook is intended for students at machine-tool tekhnikums.

COVERAGE: The book contains information on the fundamentals of machine-tool  
manufacture, methods of machining standard machine-tool parts, and the equipment,  
tools, and fixtures used in these processes. According to the authors the book  
is based on the latest achievements in the field of machine-tool manufacture.  
The work was compiled from works of Soviet scientists in the field, data supplied

Card 1/13

BOYARSKIY, Lazar' Todrisovich; KORSHIKOV, Nikolay Petrovich; VERBOVSKIY,  
I.I., inzh.. retsenzent; SHAUHO, V.M., inzh., retsenzent, red.;  
BUKHVALOVA, K.I., inzh., red.; DUGINA, N.A., tekhn.red.

[Technology of the manufacture of forging and pressing machinery]  
Tekhnologiya kuznechno-pressovogo mashinostroeniia. Moskva,  
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 432 p.  
(MIRA 14:4)

(Forging machinery)

27935 S/135/61/000/010/005/008  
A006/A101

1.2300 1573

AUTHORS: Korshikov, N. P., Shol'ts, A. F., Engineers

TITLE: Electroslag welding of press and machine tool parts

PERIODICAL: Svarochnoye proizvodstvo, no. 10, 1961, 26-28

TEXT: Cast structures for presses and machine tools have recently been replaced by welded structures from plates, rolled and forged material. For this purpose the Novosibirsk "Tyazhstankogidropress" Plant has employed electroslag welding which made it possible to reduce labor, metal and time consumption, to raise labor efficiency and to open new ways for mechanized and automated production. Some examples are mentioned of how structures have been produced by electric slag welding, including a welded press shelf, a traverse and a beam. The press shelf weighs 35.2 tons, consists of five 160 - 400 mm thick parts and is made of grade "25" plate steel. The assembly and welding processes are described. Joints 400 mm thick and 1,250 mm high are welded with 3 electrodes at 48 - 50 v and 400 - 450 amps current on each electrode. The distance between the electrodes is 70 - 75 mm and the depth of the slag pool is 25 - 28 mm, wire feed is 150 m/hour and the speed of the reciprocal electrode tip motion is 49 m/hour. Cg -08A

Card 1/3

KORSHIKOV, O.A.; ROLL, Ya.V., redaktor; OKSNER, A.M., doktor biologicheskikh nauk, redaktor; TOPACHEVS'KIY, O.V., kandidat biologicheskikh nauk, redaktor; KRIVENKO, V.V., redaktor; SIVACHENKO, E.K., tekhnredaktor.

Subclass Protococcineae: Vacuolales and Protococcales. Vyznachnyk prisnovodnykh vodorestei Ukrains'koi RSR no.5:3-437 '53. (MIRA 8:4)  
(Ukraine--Algae)

KORSHIKOV, O.A. [Korshykov, O.A.], prof.; ROLL, Ya.V., otv. red.; IKSNER, A.M., doktor biol. nauk, red.; TOPACHEVSKIY, O.V. [Topachevs'kyi, O.V.], kand. biol. nauk, red.; KRYVCHENKO, V.V. [Kryvchenko, V.V.], red.; SIVACHENKO, IE.K., tekhn. red.

[Classification key of the freshwater algae of the Ukrainianian S.S.R.] Vyznachnyk prisnovodnykh vodorostei Ukrains'koi RSR. Kyiv, Vyd-vo Akad.nauk URSR. Vol. 5. [Subclass Protococcineae: Vacuolales and Protococcales] Pidklas protokokovi (Protococcineae): Vakuol'nii (Vacuolales) ta Protokokovi (Protococcales). 1953. 436 p. (MIRA 15:7)

1. Akademiya nauk URSR, Kiev. Instytut botaniky. 2. Chlen-korrespondent Akademii nauk USSR (for Roll). (Ukraine—Algae)

89973  
S/133/61/000/003/007/014  
A054/A033

1.1300 11454. 1045

AUTHORS: Makayev, S. V., Engineer; Skryabin, N. P., Engineer;  
Rabinovich, D. M., Engineer; Shadrin, V. A., Candidate of  
Technical Sciences; Korshikov, V. D., Engineer

TITLE: Mastering the rolling of light-weight sections of low-alloy  
steels

PERIODICAL: Stal', no. 3, 1961, 240 - 245

TEXT: The new light-weight beams and channels (T-~~GOST~~-GOST 8239-56  
and GOST 8240-56) made of low-alloy steel have not the same strength as  
the corresponding sections made of carbon steel. In order to obtain the  
required strength, larger sizes of these sections are used and in this  
way the savings otherwise effected are partly lost. This draw-back is  
compensated for by improving the mechanical properties of the steels of  
which the light-weight sections are made. In order to find suitable  
methods to this end, tests were made with the most current low-alloy steels:  
09F2 (09G2), 15XCHM (15KhSiD) and compared with the CT.3. (St.3) grade  
steels. The tests were carried out with the cooperation of L. I. Putil't-

Card 1/4

89973  
S/133/61/000/003/007/014  
A054/A033

Mastering the rolling of ....

sev, Yu. D. Korkodinow, S. V. Gubert, V. V. Skakun, V. V. Kutayev and Y. S. Serebryakov. Beams and channels were rolled on the model "800" rolling mill. The parameters of the electromotors, the metal pressure on the rolls, the rolling temperature and the accuracy of the sections obtained were closely controlled. The same roll-pass designs were used as in the conventional process. The bloom were heated to 1280°C, rolled first in a "900" mill, next in the "800" mill, (with 3 - 5 passes on the first and 3 passes on the second stand) and then processed in the finishing mill. The roughing stands were actuated by a d-c 6200 hp motor (80 - 160 rpm, 55.5 TM rated torque), while the finishing stand was driven by a 2500 hp motor (rated torque: 22.4 TM). The energetic parameters were recorded on the tape of an OT-24 (OT-24) oscillograph, the metal pressure on the roll was registered by special YW4KUIChM dynamometer with wire pickups. The rolling temperature after the "900" stand was registered by a photoelectric pyrometer, before the finishing stand by a radiation pyrometer. Based on the test results it was found that the load on the motor increased by about 10 %, the rolling pressure by about 25 %, the specific electric power consumption by about 10 - 20%, when rolling light-weight sections of low-alloy

Card 2/6

89973  
S/133/61/000/003/007/014  
A054/A033

Mastering the rolling of ...

steels as compared with carbon steels. It was found, as regards temperature conditions, that low-alloy steels possess a higher deformation resistance at the final (lower) rolling temperatures, ( $750 - 850^{\circ}\text{C}$ ), than carbon steels. Therefore additional care has to be taken in adjusting the stand to obtain the required dimensions of the section. The standstills of the mill increased by about 10 % when rolling low-alloy steels, on account of changes of rolls and fixtures, so that the output of the mill dropped by about 10 %. However, the 09G2 steel, which is most suitable for light-weight sections, has a great strength in hot-rolled condition, as well as good welding properties and a lower ductility compared with St.3 steels. These properties of the 09G2 steel can still be improved by subjecting it to hardening and annealing at  $580^{\circ}\text{C}$  for 1,5 hours. As a result of heat treatment, the 09G2 steel obtains a fine grained ferrite-perlite structure; moreover, when annealed at  $520^{\circ}\text{C}$ , its strength increases further by about 18 - 20 %. 09G2 steel is also considerably tougher than the St.3 steels (after complete heat treatment its toughness exceeds that of St.3 steel at  $+20^{\circ}\text{C}$  by 30%, at  $-40^{\circ}\text{C}$  about three times.). Thus, with regard to the higher load of the motor and the reduced output of the mill, the production of light-weight sections from low-alloy steels will yield actual sav-

Card 3/6

Mastering the rolling of ...

89973  
S/133/61/000/003/007/01E  
A05L/A033

ings for the national economy in the low-alloy-sections are subjected to the heat treatment indicated. There are 8 figures and 4 tables.

ASSOCIATION: Nizhne-Tagil'sk metallurgicheskiy kombinat (Nizhne-Tagil Metallurgical Combine) and Ural'skiy institut chernykh metallov (Ural Institute of Ferrous Metals)

Card01/6

SKRYABIN, N.P.; BAAKASHVILI, V.S.; KORSHIKOV, V.D.

Resistance to deformation during the rolling of titanium  
alloys. Trudy GPT [Gruz] no.4:123-133 '62 (MIRA 17:8)

KORSHIKOV, V. N.

15-1957-3-3694

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, p  
174 (USSR)

AUTHORS: Kamorov, S. G., Korshikov, V. N.

TITLE: The Conditions and Experience of Making Electric Log Measurements in Holes Drilled With Water in the Regions of the Bashkir and Tatar ASSR's (Usloviya i opyt provedeniya elektrometricheskikh issledovanii v skvazhinakh, buriashchikhsya na vode, v rayonakh Bashkirii i Tatarii).

PERIODICAL: Razved. i promysl. geofizika, vol 14, 1955, pp 40-51

ABSTRACT: When drilling through clay rocks, with the flushing done by water, cavities are formed that are larger than those formed when drilling with muds, and geophysical instruments become suspended on ledges formed by the sharp changes in the diameter of the hole. Electric logs depend on 1) changes in conditions of erosion of the wall of the drill hole; 2) increase in depth of penetration of the drilling fluid into a formation; 3) increase in mineralization of the fluid filling the hole. Changes

Card 1/3

15-1957-3-3694

The Conditions and Experience of Making Electric Log Measurements in  
Holes Drilled With Water in the Regions of the Bashkir and Tatar ASSR's

in the diameter of the drill hole may be shown on a curve (cavity record). This record is important for determining the lithology of the layers. High mineralization of the flushing fluid sharply impairs the differentiation between the apparent resistivity curve and the true resistivity curve. In order to decrease the effect of mineralization in the fluids on the apparent resistivity curve, a method has recently been proposed of making an electric log by using a guard-electrode, but thus far this method has not given satisfactory results. The interpretation of the apparent resistivity and true resistivity curves is especially complicated when the mineralization in the drilling fluid changes with its position in the well and with time. To calculate these variations it is necessary to make measurements on a resistivity-meter drawn up along the shaft of the drill hole. Work done by the Tuymazinskiy (Tuymazy) Geophysical Office has shown that the effect measured during neutron and electric logging depends on the mineralization of the

Card 2/3

The Conditions and Experience of Making Electric Log Measurements in  
Holes Drilled With Water in the Regions of the Bashkir and Tatar ASSR's

drilling mud, and therefore it is difficult to differentiate the section according to lithology.

Card 3/3

V. M. G.

PER'KOV, N.A.; KORSHIKOV, V.N.; KOMAROV, S.G., redaktor; TSENTSIPER, Ye.B.,  
vedushchiy redaktor; TROFIMOV, A.V., tekhnicheskiy redaktor

[ Interpretation of radioactive oil well coring diagrams; provisional  
instructions] Interpretatsiya diagramm radioaktivnogo karottazha  
skvazhin; vremennoe nastavlenie. Moskva, Gos. nauchno-tekhn. izd-vo  
neftianoi i gorno-toplivnoi lit-ry, 1956. 56 p. (MLRA 9:8)  
(Oil well logging, Radiation)

ANPILOGOV, A.P.; KORSHIKOV, V.N.; ZUDAKINA, Ye.A.

Testing methods used in determining reservoir properties of terrigenous strata of the Tuymazy and Serafimovskiy deposits from data of applied geophysics. Trudy VNII no.29:125-135 '60. (MIRA 13:10)

1. Volgo-Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta geofizicheskikh metodov razvedki.  
(Tuymazy region (Bashkiria)--Oil well logging)  
(Serafimovskiy region (Bashkiria)--Oil well logging)

YENIKEYEVA, O.P.; ZUDAKINA, Ye.A.; KORSHIKOV, V.N.; SHKURAL', R.M. Prini-  
mal uchastiye PER'KOV, N.A., kand. geol.-miner. nauk; SHOROKHOVA,  
L.I., vedushchiy red.; VORONOVA, V.V., tekhn. red.

[Album of standard geological and geophysical cross sections of  
wells of petroleum areas in the Volga-Ural region] Al'bom tipovykh  
geologo-geofizicheskikh razrezov skvazhin neftianykh raionov Volgo-  
Ural'skoi provintsii. Pod red. N.A.Per'kova. Moskva, Gos.  
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 112 p.  
(MIRA 14:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizi-  
cheskikh metodov razvedki. 2. Laboratoriya interpretatsii Vsesoyuz-  
nogo nauchno-issledovatel'skogo instituta geofizicheskikh metodov  
razvedki (for Yenikeyeva, Zudakina, Korshikov, Shkural', Per'kov).  
(Volga-Ural region—Oil well logging)

KORSHIKOVA, A. A.

KORSHIKOVA, A. A., "Results of the Study of Bacteriosis of Agricultural Plants  
in the Ukraine," Biulleten' VII Vsesoiuznogo S'ezda po Zashchite Rastenij v Lenin-  
grade 15-23 Noiabria 1932 Goda, no. 6, 1932, pp. 9-10. 423.92 V96

SO: SIRA SI-19-53, 15 Dec 1953

STANYUKOVICH, Kirill Vladimirovich, prof.; BATUROVA, L M., red.;  
KORSHIKOVA, G.M., red.

[On the path of the arkars; expedition stories] Tropoiu  
arkharov; ekspeditsionnye rasskazy. Dushanbe, Irfon,  
1965. 169 p. (NIRA 18:11)

KORSHIKOVA, M.A.

Changes in the heart in hypertension in the light of roentgenanatomical studies. Trudy mol. nauch. sotr. MONIKI no.1:  
213-217 \*59 (MIRA 16:11)

1. Iz pato-morfologicheskogo otdela (rukoveditel' prof. S.B. Vaynberg) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirovskogo.

KORSHIKOVA, M. V.

Guidebook to the pavilion "Central Oblasts". Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954.  
62 p. (55-32632)

S-57.№87 124kh

KORSHIKOVA, N.G.; KUNIN, L.L.

High-temperature method for measuring the oxygen activity in oxide  
systems. Zav. lab. 31 no.9:1104-1106 '65. (MIRA 18:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-  
lurgii imeni Bardina.

20601

26.2120  
10.2000S/147/61/000/001/010/016  
E022/E135

AUTHOR: Korshin, I.M. (Kazan')

TITLE: The Flow of Gas in Tubes With Friction and Radial Forces

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,  
Aviatsionnaya tekhnika, 1961, No. 1, pp. 87-96

TEXT: The article deals with the problem of air (or gas) supply to the nozzles of jet propelled helicopters. The compressed air (or gas) is directed via the hub of the rotor and then through ducts inside the blades to the propelling nozzles (and combustion chambers) which are situated at the tips of the blades. Helicopters with jet-propelled blades have many advantages over the conventional engine driven blade type. The main advantages are: smaller weight of the propulsive unit, reduced vibrations (which are normally caused by the mechanical transmission of power from the engine to the rotor), and the lower cost. During the passage through the ducts in the rotating blades the velocity as well as the temperature and pressure of the gas change on account of the frictional and centrifugal forces

Card 1/3

20601

S/147/61/000/001/010/016  
E022/E135

X

The Flow of Gas in Tubes With Friction and Radial Forces acting on it. The object of this investigation is to evaluate the variation of these parameters. In general the flow of the gas in the blades resembles that in the rotors of the centrifugal compressors, but at the same time it exhibits quite different characteristics because of different dimensional ratios of the length of the passage to its width (or its equivalent diameter). Larger values of this ratio unavoidable in jet-helicopters lead to greater frictional losses but also to a larger power coefficient than the corresponding values in the case of the centrifugal compressors. In addition, in the case of jet-helicopters, there will be some heat losses through heat exchange with the surroundings, but this effect is not investigated here. The analysis is developed for a stable motion and an arbitrary cross-section of the duct in the blades and the general relations developed are then checked for some simpler cases, e.g. when the cross-section of the duct is constant the numerical integration method of Adams or the Runge-Kutte method may be employed to integrate the resultant differential equation.

Card 2/3

20601

S/147/61/000/001/010/016  
E022/E135

The Flow of Gas in Tubes With Friction and Radial Forces

An example of such a computation is given and the results are tabulated. The effect of the rotational velocity of the blades on the flow of gas is then investigated. It is found that with sufficiently high relative velocities at the inlet into the duct and for sufficiently long blades, the critical conditions of the flow may develop so that the flow attains the velocity of sound. The higher the inlet velocity the lower the rotational speed at which these critical conditions develop. Acknowledgements are expressed to Docent B.S. Vinogradov and L.A. Vershinina for their assistance.

There are 2 figures and 4 Soviet references.

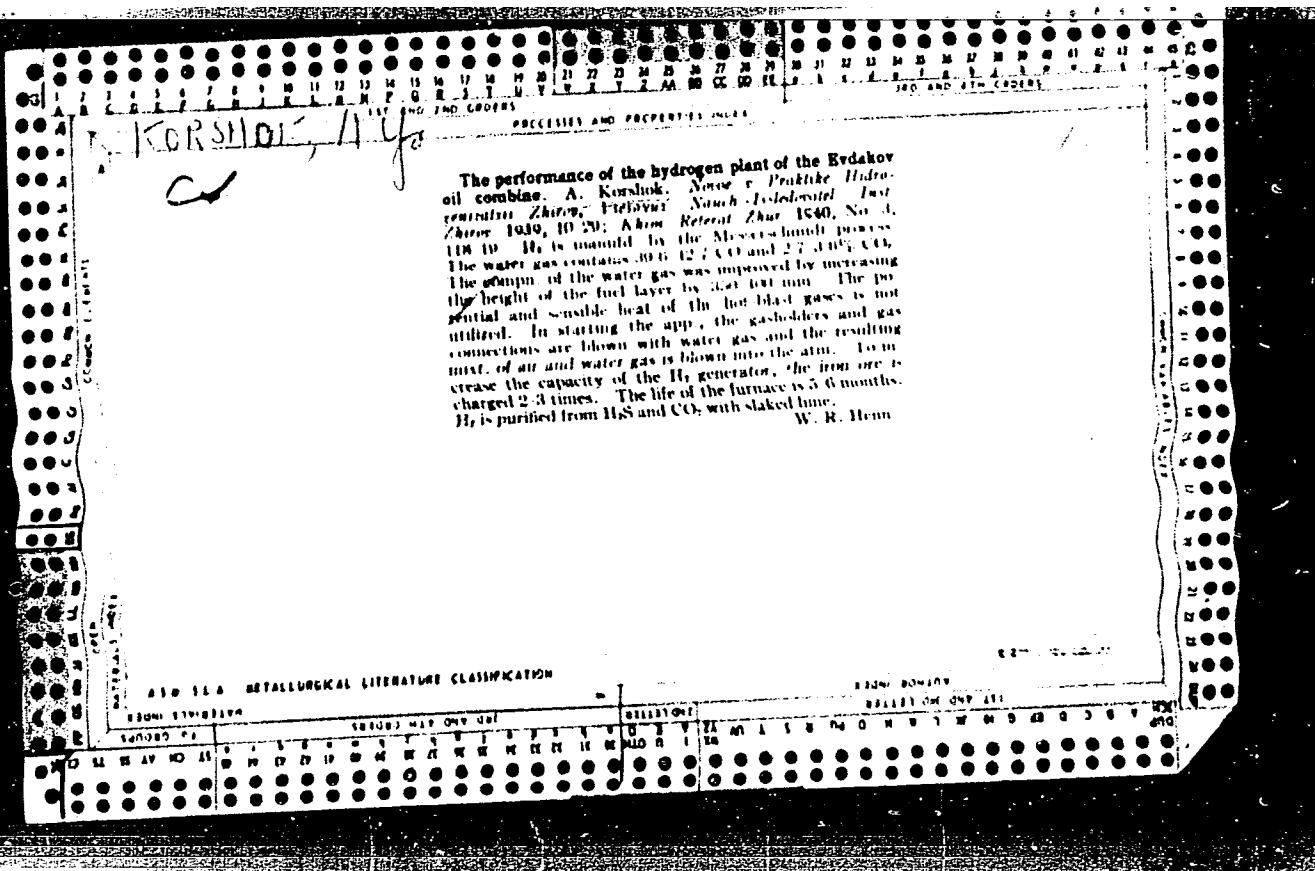
SUBMITTED: May 7, 1960

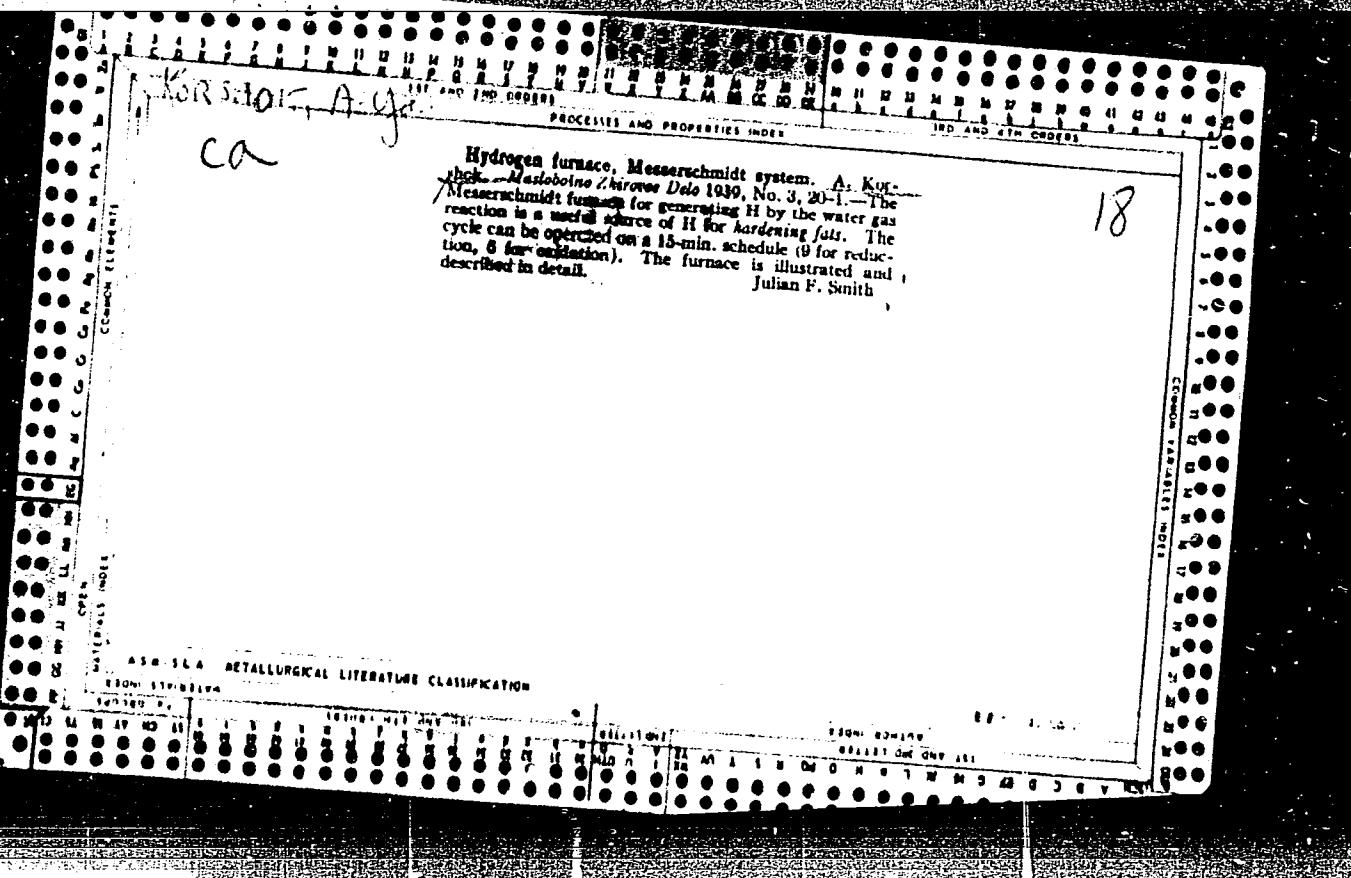
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Card 3/3

BLAGONRAOV, A.A., akademik; KORSHKIN, M.G.

Geophysical research using rockets and artificial satellites.  
Vest.AN SSSR 30 no.7:7-20 Jl '60. (MIRA 13:7)  
(Geophysical research) (Rockets, Sounding)  
(Artificial satellites)





MASALYKIN, I.T., inzhener; GOESLAVSKIY, O.P., inzhener; KORSHOK, A.Ya.

Removal of explosive gases from gas holders by water displacement.  
Masl.-zhir.prom. 19 no.2:38-39 '54. (MIRA 7:4)

1. Yevdakovskiy zhirkombinat. (Hydrogenation) (Gas condensers)

PAVLYUCHENKO, M.M.; KORSHUK, E.F.

Effect of the nature of the collector on the temperature  
dependence and flotation rate of potassium salts. Dokl.  
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AN BSSR 6 no.7:438-441 Jl '62.

1. Institut obshchey i neorganicheskoy khimii AN BSSR.  
(Flotation) (Potassium salts)

PAVLYUCHENKO, M.M.; KORSHUK, E.F.

Flotation of potassium salts and the effect of temperature on the  
process. Dokl.AN USSR 5 no.1:9-11 Ja '61. (MI A 14:2)

1. Institut obshchey i neorganicheskoy khimii.  
(Flotation) (Potassium salts)

AFANAS'YEV, N.V.; GOLOVEYKO, A.G.; KORSHUK, G.M.; KUZNETSOVA, Ye.P.,  
red.; KAPRANOVA, N.V., red.izd-va; IZAKOV, Sh.I., tekhn.red.

[Handbook of physics; an aid for first- and second-year  
course students of technical colleges] Spravochnoe posobie  
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vuzov. Minsk, Belorusskii politekhn.in-t. Pt.1.  
(MIRA 14:3)  
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Anthocyanins in the bark of apple varieties different as to  
their frost resistance. Visnyk Kyiv.un. no.5. Ser.biol.no.2:  
50-55 '62. (MIRA 16:5)  
(ANTHOCYANIN) (PLANTS--FROST RESISTANCE)  
(APPLE--VARIETIES)

PROTSENKO, D.F. [Protsenko, D.P.]; BOGOMAZ, K.I. [Bohomaz, K.I.];  
KORSHUK, T.P.

Anthocyanins of the bark of fruit crops and their dynamics in a  
year's time. Visnyk Kyiv.un. no.3. Ser.biol. no.1:56-62 '60.

(MIRA 16:4)

(ANTHOCYANIN)

(BARK)

(FRUIT TREES)

Korshchuk, V. A.  
SAVCHENKO, P. (Kiev); KORSHUN, A. (s. Gagino, Gor'kovskaya oblast');  
DOIMATOV, P. (Moskva); DOROSHENKO, A. (g. Nikolayev); YEVSEYEV, G.  
(Simferopol'); SHIROKOV, F. (Vol'sk, Saratovskaya oblast');  
BOROVIKOV, M. (Minsk); USHAKOV, B. (Moskovskaya oblast');  
SAGAYDAK, I. (Karaganda); NECHIPORENKO, I. (Sumy).

At the fighting stand. Pozh.delo 3 no.10:22-23 0 '57. (MIRA 10:11)  
(Firemen)

OLYUNIN, V.; NENASHEV, S.; KAMYSHEV, A.; LEVIN, P. (st. Izvestkovaya,  
Khabarovskiy kray); KORSHUN, A., uchitel'-pensioner (s. Chagino,  
Gor'kovskaya oblast'); PROFATILOV, A. (Khosit; Krasnodarskiy kray)

Readers letters. Pozh.delo 6 no.7:32 Jl '60. (MIRA 13:7)

1. Starshiy inspektor otseala okhrany Kirovskogo oblastnogo upravleniya khleboproduktov (for Olyunin). 2. Starshiy inspektor Upravleniya pozharnoy okhrany, g. Novosibirsk (for Nenashev).
3. Nachal'nik pozharnoy komandy, g. Yelets, Lipetskaya oblast' (for Kamyshev).

(Fire prevention)

KORSHUN, A., uchitel'-pensioner (Gor'kovskaya obl.); TREFILOV, S. ;  
MOSKALEV, I.; STRELKOV, L.; MAZUROV, P.

Reader's letters. Pozh.delo 9 no.10:32 0 '63. (MIRA 16:12)

1. Nachal'nik inspeksii Gosudarstvennogo pozharnogo nadzora,  
Glazovskiy rayon, Udmurtskaya ASSR.

KORSHUN, A. V.

✓ Activity of carbonic anhydrase in acute carbon monoxide poisoning. A. Ya. Korshun. Sbornik Trudov Vsesoyuznoi Med. Fab., Khar'kov 1955, 107-15. Referat. Zbir. Khim. Biokh. Klin. 1957, Abstr. No. 17482. In acute CO poisoning of rabbits the activity of carbonic anhydrase of blood suffered a sharp fall. In cases ending in fatality this fall was particularly greater. As the animals recovered the activity of the enzyme returned to normal. B. S.

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LEVIN, Mark Mironovich, prof.; ZADOROZHNYY, B.A., dotsent, red.;  
BELOUSOV, V.A., prof., red.; BOKARIUS, N.N., prof., red.;  
VOROB'YEV, F.P., assistent, red.; GRISHCHENKO, I.I., prof., red.;  
DERKACH, V.S., prof., red.; KORSUN', A.Ya., dotsent, red.;  
KOSHKIN, M.L., prof., red.; KUDINTSEV, V.I., dotsent, red.;  
PIKIN, K.I., prof., red.; PRIKHOD'KOVA, Ye.K., prof., red.;  
POPOV, I.D., dotsent, red.; SOLOV'YEV, M.N., prof., red.;  
SHTEYNBERG, S.Ya., prof., red.; KHARCHENKO, N.S., prof., red.

[Repeated surgery in stomach diseases following operations]  
Povtornyè operatsii pri zabolevaniakh operirovannogo zheludka.  
Khar'kov, Izd-vo Khar'kovskogo gos.univ., 1961. 177 p.  
(Kharkov. Medychnyi institut. Trudy, vol.58). (MIRA 16:2)  
(STOMACH--SURGERY)

KOVAL', G.G., inzh.; KORSHUNOV, B.M.; MOROZOV, V.V., inzh.

Work practice of the Krivoy Rog (Donets Basin) Central Coal Preparation Plant. Obog. i brik.ugl. no.10:50-53 '59.

(MIRA 13#9)

(Donets Basin--Coal preparation)

KORSHUN, G.F.

IVANOV, V.I., inzh.; KORSHUN, G.F., inzh.; POGREBENSKIY, G.M., inzh.;  
BEKKER, D.Z., inzh.; LADYZHENSKIY, V.P., inzh.

Machine used for simultaneous laying and plastering of brick blocks.  
Rats. i zobr. predl. v stroi. no.2:28-33 '57. (MIRA 11:1)

1.Omskstroy Ministerstva stroitel'stva predpriyatiy neftyanoy  
promyshlennosti.  
(Building blocks) (Building machinery)

KORSHUN, I., inzh. po tekhnike bezopasnosti

Prevention of traumas. Rech. transp. 21 no. 3:50-51 Mr '62.  
(MIRA 15:4)

1. Permskiy port.  
(Cargo handling--Safety measures)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824930010-4

KORSHUN, Ivan Alekseevich.

Homemade visual aids made from paper and cardboard Leningrad, Gos. izd-vo detskoi lit-ry, 1954. 70 p. (V pomoshch' samodeiatel'nosti pionerov i shkol'nikov)  
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RAKHMANCHIK, G.I.; KORSHUN, I.V.; DRAPCHUK, M.K.

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11-13 My '59.  
(MIRA 12:8)

1. Iz Instituta epidemiologii, mikrobiologii i gigiyeny, Instituta  
okhrany materinstva i detstva i 3-y detakoy bol'nitey g. Minska.  
(STOMACH--DISEASES) (INTESTINES--DISEASES)  
(ESCHERICHIA COLI)

KORSHUN, I.V.

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1. Iz Instituta okhrany materinstva i detstva BSSR.  
(DYSENTERY)

KORSHUN, I. V., CAND MED SCI, "mild, obtuse,  
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